

**Table 7. Genes Correlated with Pack-years among Current Smokers ( $P < 0.0001$ )**

Positive correlation				Negative correlation			
Affymetrix ID	Gene	<i>P</i> value	<i>r</i> value	Affymetrix ID	Gene	<i>P</i> value	<i>r</i> value
206595_at	CST6	7.54E-08	0.775	201528_at	RPA1	5.73E-06	-0.692
219426_at	EIF2C3	8.15E-07	0.733	212230_at	PPAP2B	1.15E-05	-0.676
214911_s_at	BRD2	1.76E-06	0.718	216996_s_at	KIAA0971	1.56E-05	-0.668
205014_at	HBP17	2.55E-06	0.710	213698_at	ZNF258	4.30E-05	-0.642
215836_s_at	PCDHGC3	3.19E-06	0.705	212018_s_at	DKFZP564M182	6.00E-05	-0.632
211775_x_at	MGC13053	4.01E-06	0.700	206765_at	KCNJ2	6.70E-05	-0.629
204402_at	C22orf3	4.44E-06	0.698	218761_at	RNF111	6.70E-05	-0.629
33322_i_at	SFN	7.94E-06	0.685	201027_s_at	IF2	6.82E-05	-0.629
212931_at	TCF20	7.96E-06	0.685	200878_at	EPAS1	8.05E-05	-0.624
61874_at	C9orf7	9.90E-06	0.680	202447_at	DEC1	9.44E-05	-0.619
221665_s_at	EPS8L1	1.02E-05	0.679				
205870_at	BDKRB2	1.24E-05	0.674				
219429_at	FAXDC1	1.32E-05	0.672				
201229_s_at	ARIH2	1.47E-05	0.670				
218779_x_at	EPS8L1	1.50E-05	0.669				
218920_at	FLJ10404	1.56E-05	0.668				
213496_at	PRG1	2.45E-05	0.657				
213491_x_at	RPN2	2.64E-05	0.655				
218070_s_at	GMPPA	3.08E-05	0.651				
204158_s_at	TCIRG1	3.09E-05	0.651				
205293_x_at	BAIAP2	3.55E-05	0.647				
214370_at	S100A8	3.79E-05	0.645				
212177_at	DKFZp564B0769	3.83E-05	0.645				
43544_at	TRAP95	4.02E-05	0.644				
208610_s_at	SRRM2	4.30E-05	0.642				
214303_x_at	MUC5AC	4.30E-05	0.642				
201320_at	MYL6	4.66E-05	0.640				
204021_s_at	PURA	4.78E-05	0.639				
216356_x_at	BAIAP3	5.19E-05	0.637				
217888_s_at	ARFGAP1	5.47E-05	0.635				
216606_x_at	---	5.68E-05	0.634				
214293_at	FLJ10849	5.81E-05	0.633				
211066_x_at	PCDHGC3	5.98E-05	0.633				
203411_s_at	LMNA	6.02E-05	0.632				
214696_at	MGC14376	6.55E-05	0.630				
215566_x_at	LYPLA2	6.69E-05	0.629				
200907_s_at	KIAA0992	7.54E-05	0.626				
40359_at	C11orf13	8.60E-05	0.622				
210069_at	CPT1B	8.80E-05	0.621				
203499_at	EPHA2	9.07E-05	0.620				

Positive correlation				Negative correlation			
Affymetrix ID	Gene	<i>P</i> value	<i>r</i> value	Affymetrix ID	Gene	<i>P</i> value	<i>r</i> value
214385_s_at	MUC5AC	9.66E-05	0.619				
201482_at	QSCN6	9.77E-05	0.618				

Pearson correlation for gene expression and pack-years smoking. *R* values and *P* values for 52 genes that were tightly correlated with pack-years among current smokers are reported. The five genes shown in bold are the genes whose expression is most significantly correlated to pack-years as assessed by a permutation analysis.